Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (currently amended) A peptide separated from tunicate and comprising an amino acid sequence represented by Chemical Formula 1 below: by the below Chemical Formula 1 in which each amino acid is represented by each figure;

<Chemical-Formula 1>

$$W_1X_2B'_3U_4X_5X_6B_7B_8U_9X_{10}B'_{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}$$
 (SEQ ID NO: 11)

wherein,

W represents tryptophane or its derivatives;

 X_1 , each variable of which X_2 , X_5 , X_6 , X_{10} , X_{16} and X_{17} is individually represents more than one-an amino acid residue selected from the group consisting of tyrosine, valine, isoleucine, leucine, methionine, phenylalanine and tryptophane;

B represents more than one <u>an</u> amino acid residue selected from the group consisting of arginine, lysine and histidine;

B' represents more than one an amino acid residue selected from the group consisting of arginine, lysine and histidine or from a group consisting of asparagine and glutamine; and

U represents more than one an amino acid residue selected from the group consisting of glysine glycine, serine, alanine and threonine.

2. (original) The peptide as set forth in claim 1, wherein the tunicate is *Halocynthia aurantium*.

3. (cancelled)

4. (currently amended) The peptide as set forth in claim 1, wherein the peptide eonsists of comprises amino acid sequence SEQ ID NO:1 represented by SEQ.

ID. No. 1 in which W_1 is tryptophane, X_2 is leucine, B'_3 is asparagine, U_4 is alanine, X_5 is leucine, X_6 is leucine, B_7 is histidine, B_8 is histidine, U_9 is glycine, X_{10} is leucine, B'_{11} is asparagine, C_{12} is cysteine, U_{13} is alanine, B_{14} is lysine, U_{15} is glycine, X_{16} is valine, X_{17} is leucine and U_{18} is alanine.

5. (withdrawn-currently amended) A peptide comprising <u>an</u> amino acid sequence represented <u>by Chemical Formula 2 below:</u> by the below-Chemical Formula 2> in which three amino acids (W₁X₂B'₋₃) of the peptide represented by the above <Chemical Formula 1> are lost;

<Chemical Formula 2>

$$U_4X_5X_6B_7B_8U_9X_{10}B'_{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}$$
 (SEQ ID NO:13)

wherein In the above Formula,

U represents more than one an amino acid residue selected from a group consisting of glysine glycine, serine, alanine and threonine;

 X_1 , each variable of which X_5 , X_6 , X_{10} , X_{16} and X_{17} is individually selected from more than one an amino acid residue selected from a group consisting of tyrosine, valine, isoleucine, leucine, methionine, phenylalanine and tryptophane;

B represents more then one an amino acid residue selected from a group consisting of arginine, lysine and histidine; and

B' represents more then one an amino acid residue selected from a group consisting of arginine, lysine and histidine or from a group consisting of asparagine and glutamine.

6. (cancelled).

7. (withdrawn-currently amended) The peptide as set forth in claim 5, wherein the peptide is consisted of comprises amino acid sequence represented by SEQ. ID. No 2 SEQ ID NO:15 in which U_4 is alanine, X_5 is leucine, X_6 is leucine, B_7 is histidine, B_8 is

histidine, U_9 is glycine, X_{10} is leucine, B'_{11} is asparagines, C_{12} is cysteine, U_{13} is alanine, B_{14} is lysine, U_{15} is glycine, X_{16} is valine, X_{17} is leucine and U_{18} is alanine.

8. (withdrawn-currently amended) A peptide <u>dimer comprising an amino acid</u> <u>sequence</u> represented by <u>Chemical Formula 3 below</u>: the <u>below Chemical Formula 3</u> wherein the peptide represented by Chemical Formula 1> of claim 1 is combined with the other peptide represented by Chemical Formula 2> of claim 5 at cysteine site by disulfide bond wherein each peptide of the dimer is represented by Chemical Formula 1> (SEQ ID NO:11), and the peptides are joined at a cysteine site by disulfide bond;

<Chemical Formula 3>

$$W_1X_2B'\ _3U_4X_5X_6B_7B_8U_9X_{10}B'\ _{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}$$

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$$W_1X_2B'\ _3U_4X_5X_6B_7B_8U_9X_{10}B'\ _{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}.$$

9. (withdrawn-currently amended) A peptide <u>dimer comprising an amino acid</u> <u>sequence</u> represented by <u>Chemical Formula 4 below:</u> the <u>below-Chemical Formula 4 wherein the two peptides represented by Chemical Formula 1 of claim 1 are combined with each other at cysteine site by disulfide bond wherein each peptide of the dimer is represented by Chemical Formula 2 (SEQ ID NO:13), and the peptides are joined at a cysteine site by disulfide bond;</u>

<Chemical Formula 4>

$$U_4X_5X_6B_7B_8U_9X_{10}B'_{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}\\$$

1

$$U_4X_5X_6B_7B_8U_9X_{10}B'\ _{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}.$$

10. (withdrawn-currently amended) A peptide <u>dimer comprising an amino acid</u> <u>sequence</u> represented by <u>Chemical Formula 5 below: the below <Chemical Formula 5></u>

wherein the two peptides represented by Chemical Formula 2 of claim 5 are combined with each other at cysteine site by disulfide bond wherein one peptide of the dimer is represented by Chemical Formula 1 (SEQ ID NO:11) and another peptide of the dimer is represented by Chemical Formula 2 (SEQ ID NO: 13), and the peptides are joined at a cysteine site by disulfide bond;

<Chemical Formula 5>

$$W_1X_2B'_3U_4X_5X_6B_7B_8U_9X_{10}B'_{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}$$

$$U_4X_5X_6B_7B_8U_9X_{10}B'\ _{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}.$$

- 11. (currently amended) An antimicrobial agent comprising one or more a peptide peptides selected from a group consisting of compounds represented by Chemical Formula 1 5> comprising the Chemical Formula 1 of claim 1 as an active ingredient.
- 12. (new) An antimicrobial agent comprising a peptide comprising the Chemical Formula 2 of claim 5 as an active ingredient.
- 13. (new) An antimicrobial agent comprising a peptide dimer comprising the Chemical Formula 3 of claim 8 as an active ingredient.
- 14. (new) An antimicrobial agent comprising a peptide dimer comprising the Chemical Formula 4 of claim 9 as an active ingredient.
- 15. (new) An antimicrobial agent comprising a peptide dimer comprising the Chemical Formula 5 of claim 10 as an active ingredient.